

AMENDMENTS TO THE SPECIFICATION

Please amend the title as follows:

BATTERY WITH FIXED LAYERS OF ACTIVE MATERIAL PARTICLES WITH HIGH ELECTRON-CONDUCTIVE MATERIAL

Please substitute the following paragraph(s) for the paragraphs now appears in the currently filed specification:

Please replace the last paragraph on the bottom of page 9 and the top of page 10 with the following:

The active material particles and the catalyst particles are formed as fixed layers. Within the fixed layers, heat transfer surfaces are installed. Small heat transfer area is sufficient because heat transfer between the heat transfer area installed within the battery and the particles is ~~there~~three-dimensionally performed. The heat transfer surfaces installed within the battery allows a reaction temperature within the battery to be constant, which becomes compatible with a battery characteristic in which self-discharge ratio increases with increasing temperature whereas a reaction speed decreases with decreasing temperature. In addition, since the recovered heat and cool heat can be utilized for air conditioning or power generation, energy power generation efficiency and energy utilization efficiency can be increased.

Please replace the second paragraph on page 27, with the following:

A load is applied to the battery. An electron is supplied from the anode current collector 20. Within the anode cell 12, hydrogen occluding alloy reacts with hydroxyl and an electron is discharged. The electron moves to the anode current collector 20 directly or through hydrogen-occluding alloy. The electron moves from the cathode current collector 22 to the nickel oxyhydroxide. The electron reacts with water immediately or while traveling through the nickel oxyhydroxide, thereby producing nickel hydroxide and hydroxyl. The hydroxyl passes ~~through~~through the separator 10 and is introduced into the anode cell 2, where it reacts with hydrogen-occluding alloy.